

Science Education

The Official Organ of the National Association for Research in
Science Teaching, the National Council on Elementary
Science, and the Science Association
of the Middle States

Copyright 1942 by Science Education, Inc.

EDITORIAL COMMITTEE

CHARLES J. PIEPER, *Editor*

New York University,
Washington Square East,
New York, N. Y.

CLARENCE M. PRUITT

*Business Manager and Assistant Editor of
Abstracts and New Publications*

College Station,
Stillwater, Oklahoma.

REPRESENTATIVES OF AFFILIATED ASSOCIATIONS

W. L. EIKENBERRY—*Science Association of the Middle States*

E. S. OBOURN—*National Association for Research in Science Teaching*

LOIS M. SHOEMAKER—*National Council on Elementary Science*

VOLUME 26—Numbers 1 to 5

JANUARY—DECEMBER, 1942

SCIENCE EDUCATION, INCORPORATED
525 WEST 120 STREET
NEW YORK CITY

Published
January, February, October, November and December,
1942

BOYD PRINTING CO., INC.
ALBANY, N. Y.

Astron
Ande

Biology
Books
Rece

Childre
Oak
Curric
M. I

Electro
132-
Elemen
med
Exper
Fun
Extra
for
book

Fact
Rob

Harry
Huma
148

In-Se
Spe
ary
Ma
In-Se
Gla
Intell
Cri

Labo
ual

Ande
As

Bail,
ra
Barr
V
in
Beck
Blou
P

INDEX TO VOLUME 26

ARTICLES

- Astronomy, A First Introduction of, Agnes M. Anderson, 196-197
- Biology, Our Changing, Paul V. Beck, 26-31
- Books for Elementary School Science Classes, Recent, Frieda M. Heller, 190-192
- Children Explain Things, How Do, Mervin E. Oakes, 61-65
- Curricula in Elementary Science, Emerging, M. L. Robertson, 178-186
- Electron Microscope, The RCA, James Hillier, 132-137
- Elementary Science Course of Study for Intermediate Grades, Illa Podendorf, 197-200
- Experiments in Elementary School Science, The Functions and Use of, Vesta Holt, 168-172
- Extra-Curricular Activities in Physical Science for Senior High Schools, Developing a Sourcebook of, Alexander Joseph, 84-93
- Fact Retention in General Science, A Study of, Robert T. Ziegler, 83-84
- Harry A. Carpenter, Otis W. Caldwell, 153-156
- Human Engineering, Charles Robert Wilks, 144-148
- In-Service Education Devices for Meeting Specific Needs of Science Teachers in Secondary Schools, An Evaluation of, Franklin T. Mathewson, 78-82
- In-Service Training of Teachers in Science, Gladys Potter, 172-177
- Intelligence, Power and Personality, George Crile, 113-121
- Laboratory Method of Instruction with Individual Demonstration in Elementary College
- Biology, An Experimental Study to Compare the, Paul Kahn, 31-39
- Lecture-Demonstration versus the Problem-Solving Method of Teaching a College Science Course, The, J. Darrell Barnard, 121-132
- National Committee on Science Teaching, The, Ira C. Davis, 149-152
- Nature Study, School Gardens and Nature Rooms for City Children—A Valuable War Measure, Marvin M. Brooks, 98-101
- Principles of Physical Science for General Education—II, A Determination of the Relative Importance of, Harold E. Wise, 8-12
- Science and Religion in Education, Harrington Wells, 94-98
- Science Education for Prospective Elementary Teachers, Helen Dolman Blough, 186-190
- Science in Democracy, The Functions of, P. M. Bail, 1-7
- Science in the Curriculum of the Elementary School, Helen Heffernan, 165-168
- Science in the Newspaper, Benjamin J. Novak, 138-143
- Science Sequence and Enrollments in Secondary Schools of the United States, George W. Hunter and Leroy Spore, 65-77
- Science Teaching in Home Defense, The Role of the, Conrad C. Pressey, 12-16
- Science Teaching, Practices and Techniques in, Robert J. Hilgers, 16-21
- Tests, Integrated Interpretation of Data, Mark Neuhoof, 21-26
- The 5-A's Strike Oil and Saw Wood, Maud B. Lowen, 193-196
- Unit on Sound in Third Grade, Construction and Teaching of a, M. Elizabeth Morris, 200-203

AUTHORS

- Anderson, Agnes M., A First Introduction to Astronomy, 196-197
- Bail, P. M., The Functions of Science in Democracy, 1-7
- Barnard, J. Darrell, The Lecture-Demonstration Versus the Problem-Solving Method of Teaching a College Science Course, 121-132
- Beck, Paul V., Our Changing Biology, 26-31
- Blough, Helen Dolman, Science Education for Prospective Elementary Teachers, 186-190
- Brooks, Marvin M., Nature Study, School Gardens and Nature Rooms for City Children—A Valuable War Measure, 98-101
- Caldwell, Otis W., Harry A. Carpenter, 153-156
- Crile, George, Intelligence, Power and Personality, 113-121
- Davis, Ira C., The National Committee on Science Teaching, 149-152

- Heffernan, Helen, Science in the Curriculum of the Elementary School, 165-168
- Heller, Frieda M., Books for Elementary School Science Classes, 190-192
- Hilgers, Robert J., Practices and Techniques in Science Teaching, 16-21
- Hillier, James, The RCA Electron Microscope, 132-137
- Holt, Vesta, The Functions and Use of Experiments in Elementary School Science, 168-172
- Hunter, George W., and Spore, Leroy, Science Sequence and Enrollments in Secondary Schools of the United States, 65-77
- Joseph, Alexander, Developing a Sourcebook of Extra-Curricular Activities in Physical Science for Senior High Schools, 84-93
- Kahn, Paul, An Experimental Study to Compare the Laboratory Method of Instruction with Individual Demonstration in Elementary College Biology, 31-39
- Lowen, Maud B., The 5-A's Strike Oil and Saw Wood, 193-196
- Mathewson, Franklin T., An Evaluation of In-Service Education Devices for Meeting Specific Needs of Science Teachers in Secondary Schools, 78-82
- Morris, M. Elizabeth, Construction and Teaching of a Unit on Sound in the Third Grade, 200-203
- Neuhof, Mark, Integrated Interpretation of Data Tests, 21-26
- Novak, Benjamin J., Science in the Newspaper, 138-143
- Oakes, Mervin E., How Do Children Explain Things, 61-65
- Podendorf, Illa, Elementary Science Course of Study for Intermediate Grades, 197-200
- Potter, Gladys, In-Service Training of Teachers in Science, 172-177
- Pressey, Conrad C., The Role of the Science Teacher in Home Defense, 12-16
- Robertson, M. L., Emerging Curricula in Elementary Science, 178-186
- Wells, Harrington, Science and Religion in Education, 94-98
- Wilks, Charles Robert, Human Engineering, 144-148
- Wise, Harold E., A Determination of the Relative Importance of Principles of Physical Science for General Education—II, 8-12
- Zeigler, Robert T., Fact Retention in General Science, 83-84

EDITORIALS AND EDUCATIONAL NEWS

40-46; 153-157; 204-210

ABSTRACTS

47-51; 102-108; 158-161; 211-214

BOOK REVIEWS

52-60; 109-112; 162-164; 215-220

No. 5

plain

ce of

chers

ience

Ele-

Edu-

144-

Rela-

Sci-

eneral

NEWS